

BIOLOGY NMDCAT EARLIER PREP

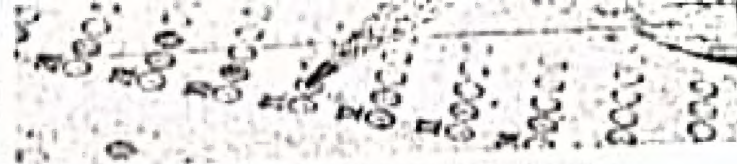
PMC UNIT WISE TEST Unit-4

TOPICS:

- ✓ Prokaryotes
- ✓ Protists and Fungi

- Q.1 When cocci form long chain of cells, then the arrangement is called:
 A. Diplococci B. Sarcina
 C. Streptococci D. Staphylococci
- Q.2 These are spherical or oval shaped bacteria having different arrangements based on their planes of division:
 A. Bacilli B. Spiral
 C. Cocci D. Pleomorphic
- Q.3 The flagella of bacteria are composed of:
 A. Pilin B. Tubulin
 C. Keratin D. Flagellin
- Q.4 Fimbriae are usually:
 A. Hair like thin appendages B. Made up of flagellin protein
 C. Cell wall extensions in bacteria D. Hollow filamentous appendages
- Q.5 Tetracycline and its related compounds are used:
 A. For discoloration of teeth in adults
 B. For discoloration of teeth in young children
 C. For treatment of bacterial infections
 D. To treat allergic reactions
- Q.6 Which of the following is analogous to mitochondria of eukaryotic cells?
 A. Flagella B. Pili
 C. Mesosomes D. Cysts
- Q.7 Least amount of peptidoglycan is present in _____ but absent in _____.
 A. Gram positive bacteria, Archaeobacteria B. Gram negative bacteria, *Mycoplasma*
 C. Archaeobacteria, *Mycoplasma* D. *Mycoplasma*, Archaeobacteria
- Q.8 The structure causing greater pathogenic ability in bacteria is:
 A. Cell wall B. Cell membrane
 C. Spores D. Slime
- Q.9 CV-I complex is formed during Gram staining in:
 A. Mycoplasmas B. Gram negative bacteria
 C. Gram positive bacteria D. Archaeobacteria
- Q.10 The smallest known bacterium is without:
 A. Cell wall B. DNA
 C. Cytoplasmic matrix D. Ribosomes
- Q.11 Which of the following is not correct for bacterial flagellum?
 A. It arises from basal body B. It is involved in chemotaxis
 C. It is proteinaceous in nature D. It is responsible for conjugation
- Q.12 It is said to be unifying character of all bacteria:
 A. Peptidoglycan B. Conjugation
 C. Haploid D. Capsule
- Q.13 It is not a feature of bacterial plasmids:
 A. Circular molecules B. Self-replicating
 C. Double stranded DNA D. Essential for bacterial metabolism
- Q.14 If a bacterium is characterized by groups of flagella inserted at both end of the cell then it is termed as?
 A. Peritrichous B. Lophotrichous
 C. Monotrichous D. Amphitrichous
- Q.15 All are the characteristics of Gram positive bacteria except:
 A. High content of peptidoglycan B. High permeability
 C. Teichoic acid is present D. Stain pink with primary dye

- Q.16 Cell envelope of a bacterium does not involve:
 A. Capsule
 B. Cell wall
 C. Slime
 D. Plasma membrane
- Q.17 True pili are present in _____ bacteria.
 A. Gram negative
 B. *Staphylococci*
 C. Gram positive
 D. *Mycoplasma*
- Q.18 Which of the following is common waste material found in bacteria?
 A. Acetic acid
 B. Sulphur
 C. Glycogen
 D. Phosphate
- Q.19 Bacterial ribosomes lie in/on:
 A. Cytoplasm
 B. Nuclear membrane
 C. RER
 D. Cell wall
- Q.20 It is responsible for drug and insect resistance in bacteria:
 A. Slime
 B. Plasmid
 C. Capsule
 D. Pili
- Q.21 These are chemotherapeutic agents that work with our defense system against microbes:
 A. Disinfectants
 B. Preservatives
 C. Vaccines
 D. Antibiotics
- Q.22 Gamma rays are commonly used for:
 A. Disinfection
 B. Sterilization
 C. Antisepsis
 D. Pasteurization
- Q.23 Heat sensitive substances like antibiotics, sera and hormones can be sterilized by:
 A. Radiation
 B. Moist heat
 C. Filtration
 D. Gamma rays
- Q.24 The transfer of genetic material from a donor bacterium to a recipient by sex pili is called:
 A. Transduction
 B. Conjugation
 C. Transformation
 D. Translation
- Q.25 _____ is characterized by the phase of no growth and preparation of bacteria for division.
 A. Lag phase
 B. Death phase
 C. Log phase
 D. Stationary phase
- Q.26 Nitrifying bacteria are _____ bacteria that oxidize inorganic compounds.
 A. Chemosynthetic
 B. Parasitic
 C. Photosynthetic
 D. Saprophytic
- Q.27 It is the unifying character of all protozoans:
 A. Pseudopodia
 B. Presence of cilia
 C. Presence of prokaryotic type cells
 D. Ingestion of food by endocytosis
- Q.28 These are complex and specialized flagellates and help in the digestion of dry wood:
 A. Termites
 B. Apicomplexans
 C. Choanoflagellates
 D. Trichonymphs
- Q.29 All of the following animal-like protists have pseudopodia as their locomotory organ except:
 A. Foraminiferans
 B. Apicomplexans
 C. Actinopods
 D. Amoeba
- Q.30 All of the following are characters of protozoans except:
 A. Simple multicellular
 B. Heterotrophs
 C. Unicellular
 D. Mostly motile
- Q.31 In fresh water ciliates, the water regulation is controlled by special structure called:
 A. Contractile vacuole
 B. Conjugation tube
 C. Inclusion body
 D. Siliceous shell
- Q.32 It is considered as the polyphyletic group of organisms:
 A. Kingdom Monera
 B. Kingdom Protista
 C. Kingdom Fungi
 D. Kingdom Animalia
- Q.33 Algae are:
 A. Parasitic protists
 B. Chemosynthetic protists
 C. Saprophytic protists
 D. Photosynthetic protists



- Q.34** In case of fungus-like protists, the major component of their cell wall is:
A. Lipopolysaccharides B. Chitin
C. Cellulose D. Peptidoglycan
- Q.35** Sleeping sickness is caused by
A) *Plasmodium* B. *Trypanosoma*
C. *Paramecium* D. *Entamoeba*
- Q.36** Following is involved in putrefaction along with bacteria:
A. Fungi B. Animals
C. Plants D. Algae
- Q.37** Hyphae of *Rhizopus* are:
A. Aseptate and uninucleate B. Septate and multinucleate
C. Septate and binucleate D. Aseptate and multinucleate
- Q.38** Griseofulvin is an:
A. Anti-bacterial drug B. Anti-fungal drug
C. Anti-viral drug D. Anti-cancer drug
- Q.39** In *Rhizopus*, zygospore divides through:
A. Mitosis only B. Meiosis only
C. Meiosis followed by mitosis D. Mitosis followed by meiosis
- Q.40** The correct sequence of events in sexual reproduction of fungi is:
A. Karyogamy → Dikaryotic phase → Plasmogamy
B. Plasmogamy → Dikaryotic phase → Karyogamy
C. Plasmogamy → Karyogamy → Dikaryotic phase
D. Dikaryotic phase → Karyogamy → Plasmogamy
- Q.41** It is used for lowering blood cholesterol:
A. Lovastatin B. Cyclosporine
C. Penicillin D. Ergotamine
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- Q.42** Ergotism is caused by intake of:
A. Yeast B. Spores
C. Hypha D. Pileus
- Q.43** Nervous spasm, convulsion, psychotic delusion and gangrene are features of:
A. Histoplasmosis B. Aspergillosis
C. Ergotism D. Cancer
- Q.44** Predatory fungus attack on various organisms and absorb their nutritional contents, primarily to fulfill its:
A. Nitrogen requirements B. Sodium requirements
C. Carbon requirements D. Phosphorous requirements
- Q.45** Yeasts ferment glucose to:
A. Lactic acid only B. Ethanol only
C. Lactic acid & carbon dioxide D. Ethanol & carbon dioxide
- Q.46** First eukaryotic organism whose genome was completely sequenced is:
A. *Neurospora* B. *Haemophilus Influenzae*
C. *Arabidopsis* D. *Saccharomyces cerevisiae*
- Q.47** Sexual mode of reproduction can be shown by all of the following groups of fungi except:
A. Zygomycota B. Deuteromycota
C. Ascomycota D. Basidiomycota
- Q.48** It is not true about fungi:
A. Grow best on dry habitats B. Store surplus food in mycelium
C. Involved in decomposition D. Tolerate wide temperature range
- Q.49** Which of the following is absent in fungi?
A. Chitin B. Digestive enzymes
C. Cell wall D. Chlorophyll
- Q.50** The cell wall of fungus is made up of chitin. It is a:
A. Glycoprotein B. Glycolipid
C. Carbohydrate D. Lipid

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
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